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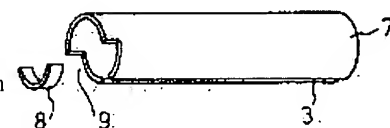
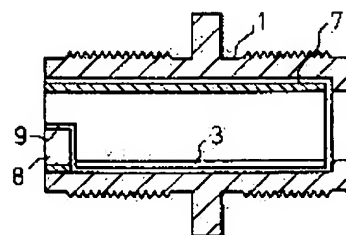
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(54) OPTICAL CONNECTOR

(57)Abstract:

PURPOSE: To form an optical connector having fixed coupling loss and high coupling reproducibility by fitting a rotation preventing means to an elastic sleeve for an optical connector for connecting opposingly the end surfaces of a pair of optical fibers in the elastic sleeve inserted into an adaptor having a cylindrical inner peripheral surface.

CONSTITUTION: The elastic sleeve 7 having a slit in its axial direction is inserted into the adaptor 1 having a cylindrical inner peripheral surface. The elastic sleeve 7 has a semi-circular notched step part 9 at its end part. The rotation preventing means, e.g. a stopper 8 corresponding to the shape of the notched step part 9, is fixed on the inner surface of the adaptor 1 by spot welding or adhesives. The stopper 8 fixes the elastic sleeve 7 in the axial direction and prevents the rotation. In the optical connector, the elastic sleeve in the adaptor is prevented from rotation, so that the position of the slit of the elastic sleeve 7 is arranged always at a fixed position corresponding to a ferrule holding the optical fibers. Therefore, the coupling loss of the connector is kept always constant and the stable operation of an optical function element is obtained with high coupling reproducibility.



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